



## SIBSH-40100S-UVT4G

4MP ColorVu Solar-powered Security PT Camera. High quality imaging with 4 MP resolution. Standalone with solar panel and built-in battery. 24/7 colorful imaging. Efficient H.265+ compression technology. Provide real-time security via built-in two-way audio. Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication. BLC, HLC, 3D-DNR.

### Product features:

- High quality imaging with 4 MP resolution
- Standalone with solar panel and built-in battery
- 24/7 colorful imaging
- Efficient H.265+ compression technology
- Provide real-time security via built-in two-way audio
- Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication;

### Specifications:

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Max. Resolution	2688 x 1520
Shutter Time	1/3 ÷ 1/100,000 s;
Day & Night	24/7 color imaging
Angle Adjustment	Solar panel: pan: 0° ÷ 358°, tilt: -40° ÷ 0°; camera: pan: 0° ÷ 340°, tilt: -5° ÷ 105°
Lens	
Lens Type	Fixed focal lens
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.7 m to $\infty$
Focal Length & FOV	4 mm, Horizontal FOV: 75°, Vertical FOV: 40°, Diagonal FOV: 89°
Lens Mount	M12
DORI	
DORI	D: 82 m, O: 32 m, R: 16 m, I: 8 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Performance mode: up to 30 m, proactive mode: up to 10 m
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 12.5 fps (2688 x 1520, 1920 x 1080, 1280 x 720) 60 Hz: 15 fps (2688 x 1520, 1920 x 1080, 1280 x 720)
Sub-Stream	50 Hz: 12.5 fps (1280 x 720, 640 x 480, 640 x 360) 60 Hz: 15 fps (1280 x 720, 640 x 480, 640 x 360)
Video Compression	Main stream: H.265/ H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	H.264+ and H.265+: main stream supports under performance mode 32 to 8 kbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile

Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Scalable Video Coding (SVC)	H.264 and H.265 encoding
<b>Audio</b>	
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
<b>Network</b>	
Security	Password protection, complicated password, basic and digest authentication for HTTP, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
User/Host	Up to 32 users; 3 user levels: administrator, operator, and user
Network Storage	Auto Network Replenishment (ANR)
Client	CMS-MAZi, CTR-MAZi
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
<b>Mobile Communication</b>	
Uplink and Downlink Data Rate	Cat 4, uplink: 50 Mbps, downlink: 150 Mbps
SIM Card Type	Micro SIM
Frequency	EU: LTE-TDD: B38/B40/B41 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 WCDMA: B1/B5/B8 GSM: B3/B5/B8 LA: LTE-TDD: B38/B40 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B28/B66 WCDMA: B1/B2/B3/B4/B5/B8 GSM: B2/B3/B5/B8 US: LTE-FDD: B2/B4/B5/B12/B13/B17/B66/B71 WCDMA: B2/B4/B5 LTE-TDD, LTE-FDD, WCDMA, GSM
Standard	LTE-TDD, LTE-FDD, WCDMA, GSM
<b>Image</b>	
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks
Wide Dynamic Range (WDR)	120 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D-DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in eMMC storage, up to 64 GB, Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB, For eMMC storage, 50 GB is available for recording
Built-in Microphone	Yes
Built-in Speaker	Yes
Reset Key	Yes
<b>Event</b>	
Basic Event	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Linkage	Upload to NAS/memory card, notify surveillance center, trigger recording, trigger capture, audible warning
<b>General</b>	
Power	<u>Power Consumption and Current:</u>

Typical power scenarios: 1.85 W (4G working); Standby scenarios: 40 mW;  
Max. power consumption: 6 W

Power Supply:

12 VDC  $\pm$  25%; \*For debugging only; 40 W (deviation:  $\pm$  2 W) Solar panels

Power Interface:

Power supply interface: Ø 5.5 mm coaxial power plug; Extended solar panel:  
four-core aviation connector

Camera: Plastic, Solar panel: Metal

Material

Storage Conditions

Language

-20 °C  $\div$  +50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)

33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian

Heartbeat, mirror, flash log

-20 °C  $\div$  +50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)

686.6  $\times$  442.6  $\times$  760 mm (27.03"  $\times$  17.42"  $\times$  29.9")

902  $\times$  342  $\times$  440 mm (35.5"  $\times$  13.5"  $\times$  17.3")

Approx. 11.70 kg (25.8 lb.)

Approx. 15.01 kg (33.1 lb.)

General Function

Operating Conditions

Dimension

Package Dimension

Weight

With Package Weight

**Battery**

Battery Type

Ternary Lithium

Capacity

8.4 Ah  $\times$  2 packs

Max. Charging Voltage

12.6 V

Operating Temperature

Charging: -20 °C  $\div$  45 °C (-4 °F  $\div$  13 °F); Discharging: -20 °C  $\div$  60 °C (-4 °F  $\div$  140 °F)

9  $\div$  12.6 V

Battery Voltage

Performance mode: 3.6 days, Proactive mode: 6 days, Standby mode: 30 days

Cycle Lifetime

More than 500 cycles

Battery Life

Approx. 1400 g (3.1 lb.)

**Approval**

EMC

CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7

\*IC certification is only for the device sold in the North American region. CE and RCM certifications are only for the device sold in the European region.

RF

IC ID (RSS-247(BT or 2.4G)), CE-RED: EN 301489-1 V2.1.1 (BT or 2.4G), EN 301489-17 V3.1.1 (BT or 2.4G), EN 300328 V2.1.1 (BT or 2.4G), EN 62311: 2008 (BT or 2.4G)

\*IC certification is only for the device sold in the North American region. CE certification is only for the device sold in the European region.

Safety

CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, LOA: IEC/EN 60950-1

\*CE and LOA certifications are only for the device sold in the European region.

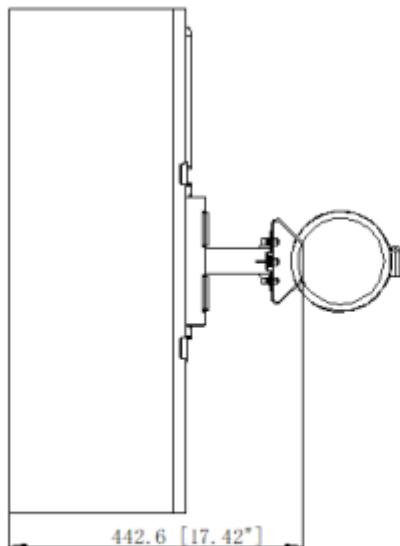
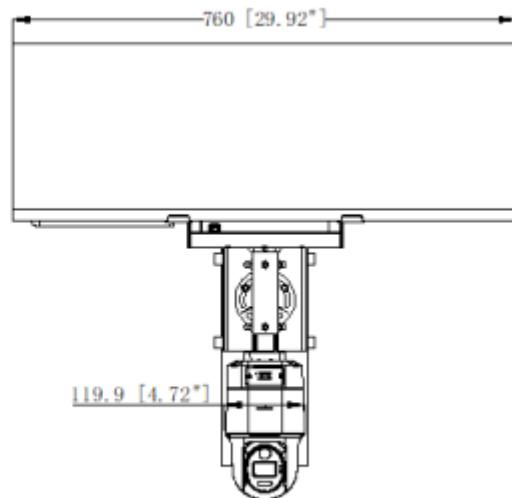
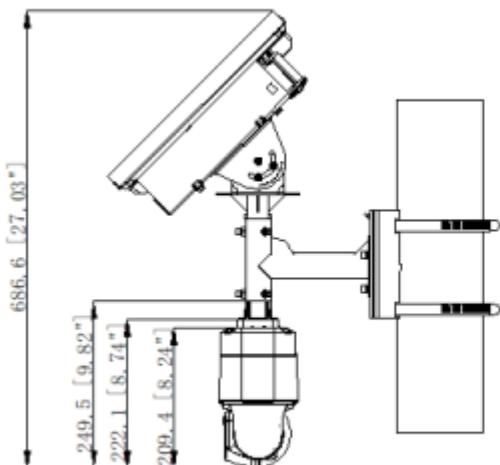
Environment

CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006

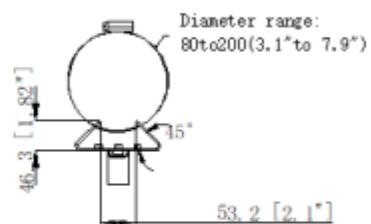
\*CE certification is only for the device sold in the European region.

Protection

IP65: IEC60529-2013



 Camera  
Direction



Unit: mm